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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/575,992	04/17/2006	Robert E. Hefner JR.	62927A	8902
169 7550 69/05/2008 The Dow Chemical Company Intellectual Property Section			EXAMINER	
			WINKLER, MELISSA A	
	P.O. Box 1967 Midland, MI 48641-1967		ART UNIT	PAPER NUMBER
,			1796	
			MAIL DATE	DELIVERY MODE
			09/05/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Application No. Applicant(s) 10/575.992 HEFNER, ROBERT E. Office Action Summary Art Unit Examiner MELISSA WINKLER 1796 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS. WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 22 April 2008. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-6 is/are pending in the application. 4a) Of the above claim(s) _____ is/are withdrawn from consideration. 5) Claim(s) _____ is/are allowed. 6) Claim(s) 1-6 is/are rejected. 7) Claim(s) 2-4 and 6 is/are objected to.

8) Claim(s) are subject to restriction and/or election requirement.
Application Papers
9)☐ The specification is objected to by the Examiner.
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.
Priority under 35 U.S.C. § 119
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. Certified copies of the priority documents have been received.

application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)
Notice of References Cited (PTO-892)

1)
Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)
References Cited (PTO-852)

1)
Notice of Draftsperson's Patent Drawing Review (PTO-948)

1)
Notice of Informatic Patent At Itication

Paper Nots/Mail Date 24-40-6

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2. Certified copies of the priority documents have been received in Application No.
 3. Copies of the certified copies of the priority documents have been received in this National Stage

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 331(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1 and 5 are rejected under 35 U.S.C. 102(e) as being anticipated by US 6.828.406 to Haasmann et al.

Regarding Claims 1 and 5. Haasmann et al. teaches a compound (Formula I) with one or more dienophile groups, one or more ring structures comprising two conjugated carbon-carbon double bonds and a leaving group (Column 3, Lines 6 – 39; Column 4, Line 63 – Column 5, Line 25). The compound further comprises side groups (S^m) which may be discotic phthalocyanines (Column 8, Line 47 – Column 11, Line 19), a mesogenic moiety. Haasman et al. further teach the compound can be used to prepare a crosslinked polyphenylene polymer (Column 7, Lines 28 - 51).

Claims 2 – 4 and 6 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations

of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject

matter: the closest prior art of record (US 6,828,406 to Haasmann et al.) fails to teach or

suggest the compound of Formula I, as set forth in Claim 2, comprised of a five-

membered ring to which the claimed leaving group and mesogenic poragen-forming

moiety are attached.

Correspondence

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to MELISSA WINKLER whose telephone number is

(571)270-3305. The examiner can normally be reached on Monday - Friday 7:30AM -

5PM E.S.T..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Mark Eashoo can be reached on (571)272-1197. The fax phone number for

the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 1796

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Mark Eashoo, Ph.D./ Supervisory Patent Examiner, Art Unit 1796 1-Sep-08 MW August 29, 2008